



Material Safety Data Sheet

Product name

9109 Glitter

1. PRODUCT AND COMPANY IDENTIFICATION

Product name 9109 Glitter

Recommended use of the chemical and restrictions on use

Recommended use Not available

Restrictions on use Not available

Supplier

Name FDC Graphic Films, Inc.

Address 3820 William Richardson Dr. South Bend, IN 46628

Telephone No (Tel) 800-634-7523

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture Physical hazard: Not applicable

Classification according to Regulation Health hazard: Not applicable
(EC) No 1272/2008 [EU-GHS / CLP] Environment hazard: Not applicable

Label elements Symbol: Not applicable

Labelling according to Regulation Signal word: Not applicable
(EC) No 1272/2008 [CLP] Hazard statements: Not applicable
Precautionary statements: Not applicable

Other hazards NFPA Rating Health: 0 Flammability: 1 Reactivity: 0 Water reactivity: 0

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No.	EINECS No.	Content (%)
Polyethylene terephthalate film	25038-59-9	607-507-1	54 % - 56 %
Silica gel	112926-00-8	601-214-2	0.3 % - 0.6 %
Polyacrylate sodium salt	9003-04-7	618-349-8	9 % - 11 %
Aluminum	7429-90-5	231-072-3	0.01 % - 0.10 %
Bisphenol A-Bisphenol A diglyceryl ether polymer	25036-25-3	682-390-8	0.2 % - 0.4 %
Melamine/formaldehyde resin	9003-08-1	618-354-5	0.1 % - 0.3 %
Poly (tetramethylene ether) glycol, 1,4 butanediol, 4,4' diphenylmethane diisocyanate polyurethane	9018-04-6	618-503-4	8 % - 10 %
Polyester	113669-95-7	601-271-3	22 % - 25 %
Dyestuffs (5 kinds)	-	-	< 0.4 %
C.I. Solvent Yellow 82	12227-67-7	602-487-0	< 0.1 %
C.I. Solvent Red 160	69899-68-9	615-022-1	< 0.1 %
Solvent Blue 70	12237-24-0	602-674-7	< 0.1 %
C.I. Solvent Black 27	12237-22-8	602-672-6	< 0.1 %
C.I. Solvent Red 127	61969-48-0	612-927-3	< 0.1 %



4. FIRST AID MEASURES

Description of first aid measures	<p>In case of eye contact</p> <p>Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.</p> <p>In case of skin contact</p> <p>Wash off with soap and plenty of water.</p> <p>If inhaled</p> <p>If breathed in, move person into fresh air.</p> <p>If not breathing, give artificial respiration.</p> <p>If swallowed</p> <p>Never give anything by mouth to an unconscious person.</p> <p>Rinse mouth with water.</p> <p>Potential Health Effects</p> <p>Ingestion: May be harmful if swallowed.</p>
Most important symptoms and effects, both acute and delayed	No data available
Indication of immediate medical attention and special treatment needed	No data available

5. FIRE- FIGHTING MEASURES

Extinguishing media	Water spray, alcohol- resistant foam, dry chemical, carbon dioxide.
Special hazards arising from the substance or mixture	No data available
Precautions for fire- fighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	No data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid inhalation of vapor, mist or dust.
Environmental precautions	Do not let product get into the drainage.
Methods and materials for containment and cleaning up	Pick up and arrange disposal without creating dust.
Reference to other sections	for disposal see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling	<p>Remove all sources of ignition.</p> <p>Provide appropriate exhaust ventilation at places where dust is formed</p> <p>Avoid inhalation of vapor, mist, or dust.</p> <p>Do not eat, drink, or smoke when using this product.</p>
Conditions for safe storage, including any incompatibilities	Avoid heat sources, and strong oxidizing agents.
Specific end uses	No data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters Components with workplace control parameter

KOSHA:	Chemical Name	TWA	STEL
	Silica	10 mg/m ³	-
	Aluminum	10 mg/m ³	-
ACGIH:	Chemical Name	TLV	STEL
	Aluminum	1 mg/m ³ , respirable fraction	-

Exp > sure controls

Appropriate engineering controls: Ventilation

Respiratory protection: General dust mask

Hand protection: General protective gloves

Eye protection: General protective goggles

Skin and body protection: General working clothe

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

- Appearance: Solid (Not powder, Flexible sheets) at 20 °C
 - Odor: No data available
 - Odor Threshold - No data available
 - pH: 6.5 擅 7.5 at 20 °C Sample: H₂O =1:5 (V/V)
 - Melting/freezing point and melting range: No data available
 - Initial boiling point and boiling range: > 100 °C
 - Flash point: No flash occurred under 93 °C (Rapid equilibrium method - closed cup)
 - Evaporation rate: No data available
 - Flammability
Burning time / rate: < 1.4 mm/s at 20 °C ◆ UN TDG test & criteria - Test N1
 - Upper/lower flammability or explosive limits: No data available
 - Vapor pressure: No data available
 - Vapor density: No data available
 - Relative density: 1.0 at 20 °C
 - Water solubility - Insoluble
 - Partition coefficient (n-octanol/water): No data available
 - Autoignition temperature: No spontaneous combustion under 200 °C
 - Decomposition temperature: No data available
 - Viscosity: No data available
 - Explosive properties: No self-reaction hazard ◆ UN TDG test & criteria - Test E3
 - Oxidizing properties: No data available
- 9.2 Other safety information: No data available

10. STABILITY AND REACTIVITY

- Reactivity: No data available
- Chemical stability Stable under general condition
- Possibility of hazardous reactions: No data available
- Conditions to avoid Avoid breathing dust.
- Incompatible materials Strong oxidizing agents
- Hazardous decomposition products Carbon oxides



11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Oral	rat	LD50: > 2,000 mg/kg	◆ from US NLM / ECHA
Skin	rabbit	LD50: No data available	
Inhalation	rat	LC50: > 5.0 mg/L (dust, 4 h)	

Skin irritation: No data available

Eye irritation: No data available

Respiratory sensitization: No data available

Skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: Not classifiable ◆ from CCRIS / IARC / JP NITE

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure (GHS) : No data available

Specific target organ toxicity ⚠ repeated exposure (GHS) : No data available

Aspiration hazard : No data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Fish	LC50: No data available	◆ from US NLM / ECHA
Crustacean	EC50: No data available	
Algae	EC50: No data available	

12.2 Persistence and degradability: No data available

12.3 Bio accumulative potential: No data available

12.4 Mobility in soil: No data available

12.5 Results of PBT and vPvB assessment: No data available

12.6 Other adverse effects: No data available

13. Disposal Considerations

13.1 Waste treatment methods

Observe all environmental regulations.

14. TRANSPORT INFORMATION

14.1 UN- Number: Not applicable

14.2 UN proper shipping name

IATA: Not dangerous goods

ADR / RID: Not dangerous goods

IMDG: Not dangerous goods

14.3 Transport hazard class(es) - Not applicable

14.4 Packaging group: Not applicable

14.5 Environmental hazards

IATA: Not applicable ADR/RID: Not applicable IMDG Marine pollutant: Not applicable

14.6 Special precautions for users

Fire EmS Guide: F~E (Recommendation)

Spillage EmS Guide: Not dangerous goods



15. Regulatory Information

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture
Korea Industrial Safety and Health Act: Not applicable

Korea Hazardous Materials Safety Control Act - Not hazardous material

Korea Chemicals Control Act: Not toxic chemical

Korea Persistent Organic Pollutants Control Act - Not applicable

OSHA Hazard: Not applicable

15.2 Chemical Safety Assessment: Not applicable

16. OTHER INFORMATION

Source of data

Acronyms and Websites

ECHA: European chemical agency, <http://echa.europa.eu/>

USNLM: U.S. National Library of Medicine, <http://chem.sis.nlm.nih.gov/chemidplus/>

HSDB: US Hazardous Substances Data Bank, <http://toxnet.nlm.nih.gov/>

CCRIS: US Chemical Carcinogenesis Research Information System, <http://toxnet.nlm.nih.gov/>

IARC: International Agency for Research on Cancer, <http://monographs.iarc.fr/>

JP NITE: Japan National Institute of Technology and Evaluation, <http://www.safe.nite.go.jp/>

⚠ Hazards Testing and Classification

Date First 2017-09-26

Revision number and date

Revision number 1 times

Date of last revision 2021-01-19